# Planning in a Collaborative Environment

## Other Social Effects

Institute for Water Resources

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# Perspective

Back to the Future

- Fully Utilize Authority and Flexibility of P&G
- Link NED, RED, EQ, OSE

# Other Social Effects

“ These efforts (OSE) reflect a highly complex set of relationships and interactions between inputs and outputs of a plan and the social and cultural setting in which these are received and acted upon”

# Planning in a Collaborative Environment

## Other Social Effects

- What does it mean?
- How do we do it?
- How will it be used in decision making?

# What Does it Mean?

- Corps of Engineers
- Other Agencies
  - NOAA
  - Forest Service
- Academic Community
- International

# *Other* Social Effects

"The other social effects account registers plan effects from perspectives that are relevant to the planning process but are not reflected in the other three accounts."

# What Does it Mean?

- Income and Employment
- Life, Health and Safety
- Educational, Cultural and Recreation
- Emergency Preparedness
- Community
- Population Characteristics
- Aesthetics

# How do we do it?

Significance

"they are integrally related to the basic values and goals of society"

- Metrics
  - Identify, qualitative, quantitative
  - Positive/negative
  - Beneficial/adverse
- Criteria
  - Effectiveness, efficiency, completeness, acceptability

# How do we do it?

Approaches

- Population Characteristics
- Indices and Indicators
  - Civic Index
  - Trauma Indices
  - Place Vulnerability
- Surveys

# Considerations

- Relate effects to project
  - Incremental changes
- Establish with and without
- Scale
- Identify costs
- Maximize benefits

# Decision Making Methodologies

"planning studies should explicitly recognize the limitations of current methods and explore innovative approaches to the identification and measurement of the social well-being account"

Social Science Research Network

http://ssrn.com

# How do we do it?

Tools and Sources

- Hazmit (FEMA)
- Spatial Trends in Coastal Restoration (NOAA)

- Human Dimensions of Coastal Restoration (NOAA, David Loomis, U. of Mass.)
- A Human Dimensions Framework (Forest Service)
- The Hidden Costs of Coastal Hazards (Heinz Center)
- Brownfields (EPA)

# Planning in a Collaborative Environment

Existing Corporate Resources

- IWR Plan
- Trade Off Analysis
- Multi Criteria Decision Making

Innovative

- Computer Aided Reasoning Systems (RAND)
- Planner’s Lab (Peter Kiewit Institute)

# Final Thoughts

"He must understand symbols and speak in words. He must contemplate the particular in terms of the general, and touch abstract and concrete in the same flight of thought. *He must study the present in the light of the past for the purposes of the future."* Lord Keynes